SEQUENCE LISTING

<110> Zipori, Dov
Shav-Tal, Yaron
Barda-Saad, Mira

<120> IMMUNOGLOBULIN SUPERFAMILY VARIANTS EXPRESSED IN MESENCHYMAL CELLS

<130> 85189-5000

<140> 10/643,982
<141> 2003-08-20

<150> PCT/IL02/00129
<151> 2002-02-20

<150> IL141539
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<150> IL145658
<151> 2001-09-25

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Met Gly Phe Cys Thr Pro Thr Lys Gly Val Tyr Asp Ser Val Thr Thr
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ggctgcctgg cccgggactt cctgcccagc accatttcct tcacctggaa ctaccagaac 180

aacactgaag tcatccaggg tatcagaacc ttcccaacac tgaggacagg gggcaagtac 240

ctagccacct cgcaggtctt gctgtctccc aagagcatcc ttgaaggttc agatgaatac 300

cttgtatgca aaatccacta cggaggcaaa aacagagatc tgcatgtgcc cattccagct 360

gtcgcagaga tgaatcccaa tgtaaatgtg ttcgtcccac cacgggatgg cttctctggc 420

cctgcaccac gcaagtctaa actcatctgc gaggccacga acttcactcc aaaaccgatc 480

acagtatcct ggctaaagga tgggaagctc gtggaatctg gcttcaccac agatccggtg 540

accatcgaga acaaaggatc cacaccccaa acctacaagg tcataagcac acttaccatc 600

tctgaaatcg actggctgaa cctgaatgtg tacacctgcc gtgtggatca caggggtctc 660

accttcttga agaacgtgtc ctccacatgt gctgccagag gtccctccac agacatccta 720

accttcacca tccccccctc ctttgccgac atcttcctca gcaagtccgc taacctgacc 780

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gctaagggtg tggctagtgt ttgtgtggaa gactggaata acaggaagga atttgtgtgt 960

actgtgactc acagggatct gccttcgcca cagaagaaat tcatctcaaa acccaatgag 1020

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cagtggcttc agagagggca actcttgccc caagagaagt atgtgaccag tgccccgatg 1200

ccagagcctg gggccccagg cttctacttt acccacagca tcctgactgt gacagaggag 1260

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ggctgcctgg cccgggactt cctgcccagc accatttcct tcacctggaa ctaccagaac 180

aacactgaag tcatccaggg tatcagaacc ttcccaacac tgaggacagg gggcaagtac 240

ctagccacct cgcaggtctt gctgtctccc aagagcatcc ttgaaggttc agatgaatac 300

cttgtatgca aaatccacta cggaggcaaa aacagagatc tgcatgtgcc cattccagct 360

gtcgcagaga tgaatcccaa tgtaaatgtg ttcgtcccac cacgggatgg cttctctggc 420

cctgcaccac gcaagtctaa actcatctgc gaggccacga acttcactcc aaaaccgatc 480

acagtatcct ggctaaagga tgggaagctc gtggaatctg gcttcaccac agatccggtg 540

accatcgaga acaaaggatc cacaccccaa acctacaagg tcataagcac acttaccatc 600

tctgaaatcg actggctgaa cctgaatgtg tacacctgcc gtgtggatca caggggtctc 660

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accttcacca tccccccctc ctttgccgac atcttcctca gcaagtccgc taacctgacc 780

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gctaagggtg tggctagtgt ttgtgtggaa gactggaata acaggaagga atttgtgtgt 960

actgtgactc acagggatct gccttcgcca cagaagaaat tcatctcaaa acccaatgag 1020

gtgcacaaac atccacctgc tgtgtacctg ctgccaccag ctcgtgagca actgaaccta 1080

agagagtcag ccacagtcac ctgcctggtg aagggcttct ctcctgcaga catcagtgtg 1140

cagtggcttc agagagggca actcttgccc caagagaagt atgtgaccag tgccccgatg 1200

ccagagcctg gggccccagg cttctacttt acccacagca tcctgactgt gacagaggag 1260

gaatggaact ccggagagac ctatacctgc gttgtagggc acgaggccct gccacaccta 1320

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<211> 1362
<212> DNA
<213> Mus musculus

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<223> constant domain

<220>
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<222> (1234)..(1362)
<223> transmembrane domain

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tacctagcca cctcgcaggt cttgctgtct cccaagagca tccttgaagg ttcagatgaa 180

taccttgtat gcaaaatcca ctacggaggc aaaaacagag atctgcatgt gcccattcca 240

gctgtcgcag agatgaatcc caatgtaaat gtgttcgtcc caccacggga tggcttctct 300

ggccctgcac cacgcaagtc taaactcatc tgcgaggcca cgaacttcac tccaaaaccg 360

atcacagtat cctggctaaa ggatgggaag ctcgtggaat ctggcttcac cacagatccg 420

gtgaccatcg agaacaaagg atccacaccc caaacctaca aggtcataag cacacttacc 480

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<212> DNA
<213> Mus musculus

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gctgtcgcag agatgaatcc caatgtaaat gtgttcgtcc caccacggga tggcttctct 300

ggccctgcac cacgcaagtc taaactcatc tgcgaggcca cgaacttcac tccaaaaccg 360

atcacagtat cctggctaaa ggatgggaag ctcgtggaat ctggcttcac cacagatccg 420

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Arg Gly Arg Ile Leu Gly Ser Pro Phe Leu
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Pro Leu Cys

<210> 9
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Met Ala Trp His
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Leu Thr Val

<210> 11
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Met Glu Cys Leu Thr Val
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<211> 3
<212> PRT
<213> Mus musculus

<400> 12

Met Thr Val
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<210> 13
<211> 13
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<400> 13

Met Cys Gly Ser Glu Glu Val Phe Val Val Glu Ser Ala
1 5 10

<210> 14
<211> 92
<212> PRT
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<400> 14

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1               5                   10                  15

Ser Glu Leu Gly Ser Gly Leu Glu Leu Ser Tyr Phe His Thr Gly Gly
            20                  25                  30

Ser Ser Gln Ala Val Gly Leu Phe Ile Glu Asn Met Ile Ser Thr Ser
        35                  40                  45

His Gly His Phe Gln Glu Met Gln Phe Ser Ile Trp Ser Phe Thr Val
    50                  55                  60

Leu Gln Ile Ser Ala Pro Gly Ser His Leu Val Pro Glu Thr Glu Arg
65                  70                  75                  80

Ala Glu Gly Pro Gly Val Phe Val Glu His Asp Ile
                85                  90
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<210> 15
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<213> Mus musculus

<400> 15

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Met Tyr Phe Thr Gly Arg Lys Val Asp Glu Pro Ser Glu Leu Gly Ser
1               5                   10                  15

Gly Leu Glu Leu Ser Tyr Phe His Thr Gly Gly Ser Ser Gln Ala Val
            20                  25                  30

Gly Leu Phe Ile Glu Asn Met Ile Ser Thr Ser His Gly His Phe Gln
        35                  40                  45

Glu Met Gln Phe Ser Ile Trp Ser Phe Thr Val Leu Gln Ile Ser Ala
    50                  55                  60

Pro Gly Ser His Leu Val Pro Glu Thr Glu Arg Ala Glu Gly Pro Gly
65                  70                  75                  80
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Val Phe Val Glu His Asp Ile
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<212> PRT
<213> Mus musculus

<400> 16

Met Ile Ser Thr Ser His Gly His Phe Gln Glu Met Gln Phe Ser Ile
1 5 10 15

Trp Ser Phe Thr Val Leu Gln Ile Ser Ala Pro Gly Ser His Leu Val
20 25 30

Pro Glu Thr Glu Arg Ala Glu Gly Pro Gly Val Phe Val Glu His Asp
35 40 45

Ile

<210> 17
<211> 38
<212> PRT
<213> Mus musculus

<400> 17

Met Gln Phe Ser Ile Trp Ser Phe Thr Val Leu Gln Ile Ser Ala Pro
1 5 10 15

Gly Ser His Leu Val Pro Glu Thr Glu Arg Ala Glu Gly Pro Gly Val
20 25 30

Phe Val Glu His Asp Ile
35

<210> 18
<211> 21
<212> PRT
<213> Mus musculus

<400> 18

Met Trp Trp Gly Leu Ile Leu Ser Ala Ser Val Lys Phe Leu Gln Arg
1 5 10 15

Lys Glu Ile Leu Cys

20

<210> 19
<211> 14
<212> PRT
<213> Mus musculus

<400> 19

Met Val Gly Ala Asp Leu Cys Lys Gly Gly Trp His Cys Val
1 5 10

<210> 20
<211> 13
<212> PRT
<213> Mus musculus

<400> 20

Met Arg Glu Pro Val Lys Asn Leu Gln Gly Leu Val Ser
1 5 10

<210> 21
<211> 25
<212> PRT
<213> Mus musculus

<400> 21

Met Glu Val Tyr Glu Leu Arg Val Thr Leu Met Glu Thr Gly Arg Glu
1 5 10 15

Arg Ser His Phe Val Lys Thr Ser Leu
20 25

<210> 22
<211> 15
<212> PRT
<213> Mus musculus

<400> 22

Met Glu Thr Gly Arg Glu Arg Ser His Phe Val Lys Thr Ser Leu
1 5 10 15

<210> 23
<211> 30
<212> PRT
<213> Homo sapiens

<400> 23

Met Gly Leu Ser Ala Val Gly Arg Thr Arg Ala Glu Ser Gly Thr Ala

1 5 10 15

Glu Arg Ala Ala Pro Val Phe Val Leu Gly Leu Gln Ala Val
20 25 30

<210> 24
<211> 24
<212> PRT
<213> Homo sapiens

<400> 24

Met Leu Leu Trp Asp Pro Ser Gly Phe Gln Gln Ile Ser Ile Lys Lys
1 5 10 15

Val Ile Ser Lys Thr Leu Pro Thr
20

<210> 25
<211> 26
<212> PRT
<213> Homo sapiens

<400> 25

Met Leu Pro Asn Thr Met Gly Gln Leu Val Glu Gly Gly His Met Lys
1 5 10 15

Gln Val Leu Ser Lys Ala Val Leu Thr Val
20 25

<210> 26
<211> 21
<212> PRT
<213> Homo sapiens

<400> 26

Met Gly Gln Leu Val Glu Gly Gly His Met Lys Gln Val Leu Ser Lys
1 5 10 15

Ala Val Leu Thr Val
20

<210> 27
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<212> PRT
<213> Homo sapiens

<400> 27

Met Lys Gln Val Leu Ser Lys Ala Val Leu Thr Val
1 5 10

<210> 28
<211> 4
<212> PRT
<213> Homo sapiens

<400> 28

Met Ser Glu Cys
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<210> 29
<211> 11
<212> PRT
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<400> 29

Met Ala His Phe Val Ala Val Gln Ile Thr Val
1 5 10

<210> 30
<211> 6
<212> PRT
<213> Homo sapiens

<400> 30

Met Gly Ile Cys Tyr Ser
1 5

<210> 31
<211> 18
<212> PRT
<213> Homo sapiens

<400> 31

Met Lys Arg Ala Gly Glu Gly Lys Ser Phe Cys Lys Gly Arg His Tyr
1 5 10 15

Ser Val

<210> 32
<211> 21
<212> PRT
<213> Homo sapiens

<400> 32

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Met Leu Thr Thr Leu Ile Tyr Tyr Gln Gly Asn Ser Val Ile Phe Val
1               5                   10                  15

Arg Gln His Ser Ala
            20
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<210> 33
<211> 37
<212> PRT
<213> Homo sapiens

<400> 33

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Met Gln Leu Pro His Phe Val Ala Arg Leu Phe Pro His Glu Gln Phe
1               5                   10                  15

Val Phe Ile Gln Gln Leu Ser Ser Leu Gly Lys Pro Phe Cys Arg Gly
            20                  25                  30

Val Cys His Ser Val
        35
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<210> 34
<211> 11
<212> PRT
<213> Homo sapiens

<400> 34

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Met Gly Phe Ser Lys Gly Arg Lys Cys Cys Gly
1               5                   10
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<210> 35
<211> 18
<212> PRT
<213> Homo sapiens

<400> 35

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1               5                   10                  15

Thr Leu
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<210> 36
<211> 34
<212> PRT
<213> Homo sapiens

<400> 36

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Met Gly Lys Val His Val Met Pro Leu Leu Phe Met Glu Ser Lys Ala
1               5                   10                  15

Ala Ser Ile Asn Gly Asn Ile Met Leu Val Tyr Val Glu Thr His Asn
            20                  25                  30

Thr Val
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<210> 37
<211> 28
<212> PRT
<213> Homo sapiens

<400> 37

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1               5                   10                  15

Ile Met Leu Val Tyr Val Glu Thr His Asn Thr Val
            20                  25
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<210> 38
<211> 23
<212> PRT
<213> Homo sapiens

<400> 38

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Met Glu Ser Lys Ala Ala Ser Ile Asn Gly Asn Ile Met Leu Val Tyr
1               5                   10                  15

Val Glu Thr His Asn Thr Val
            20
```

<210> 39
<211> 11
<212> PRT
<213> Homo sapiens

<400> 39

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Met Leu Val Tyr Val Glu Thr His Asn Thr Val
1               5                   10
```

<210> 40
<211> 55
<212> PRT
<213> Homo sapiens

<400> 40

Met Glu Glu Gly Ser Phe Ile Tyr Thr Ile Lys Gly Pro Trp Met Thr
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His Ser Leu Cys Asp Cys Cys Val Ile Gly Phe Gln Thr Leu Ala Leu
20 25 30

Ile Gly Ile Ile Gly Glu Gly Thr Trp Trp Leu Leu Gln Gly Val Phe
35 40 45

Cys Leu Gly Arg Thr His Cys
50 55

<210> 41
<211> 41
<212> PRT
<213> Homo sapiens

<400> 41

Met Thr His Ser Leu Cys Asp Cys Cys Val Ile Gly Phe Gln Thr Leu
1 5 10 15

Ala Leu Ile Gly Ile Ile Gly Glu Gly Thr Trp Trp Leu Leu Gln Gly
20 25 30

Val Phe Cys Leu Gly Arg Thr His Cys
35 40

<210> 42
<211> 16
<212> PRT
<213> Homo sapiens

<400> 42

Met Glu Ser Gln Ala Thr Gly Phe Cys Tyr Glu Ala Ser His Ser Val
1 5 10 15